



SEQUENCE LISTING

<110> MIROCHNITCHENKO, Oleg
WEI, Jiang
INOUE, Masayori

<120> SOLUBLE ISCHEMIA ACTIVATED PROTEIN

<130> 266/171

<140> US 09/960,631

<141> 2001-09-20

<150> US 60/233,819

<151> 2000-09-20

<160> 8

<170> PatentIn version 3.1

<210> 1

<211> 840

<212> DNA

<213> Homo sapiens

<400> 1

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tgctctggcc gcgtggccga cgtctacaga tactgccgtg tgagagtacc tgaggggctc	420
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APR 12 2002

TECH CENTER 1600/2900

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<210> 2
 <211> 279
 <212> PRT
 <213> Homo sapiens

<400> 2

Met Ser Pro Ala Arg Arg Cys Arg Gly Met Arg Ala Ala Val Ala Ala
 1 5 10 15

Ser Val Gly Leu Ser Glu Gly Pro Ala Gly Ser Arg Ser Gly Arg Leu
 20 25 30

Phe Arg Pro Pro Ser Pro Ala Pro Ala Ala Pro Gly Ala Arg Leu Leu
 35 40 45

Arg Leu Pro Gly Ser Gly Ala Val Gln Ala Ala Ser Pro Glu Arg Ala
 50 55 60

Gly Tyr Thr Glu Ala Leu Arg Ala Ala Val Ala Glu Leu Arg Ala Gly
 65 70 75 80

Ala Val Val Ala Val Pro Thr Asp Thr Leu Tyr Gly Leu Ala Cys Ala
 85 90 95

Ala Ser Cys Ser Ala Ala Leu Arg Ala Val Tyr Arg Leu Lys Gly Arg
 100 105 110

Ser Glu Ala Lys Pro Leu Ala Val Cys Leu Gly Arg Val Ala Asp Val
 115 120 125

Tyr Arg Tyr Cys Arg Val Arg Val Pro Glu Gly Leu Leu Lys Asp Leu
 130 135 140

Leu Pro Gly Pro Val Thr Leu Val Met Glu Arg Ser Glu Glu Leu Asn
 145 150 155 160

Lys Asp Leu Asn Pro Phe Thr Pro Leu Val Gly Ile Arg Ile Pro Asp
 165 170 175

His Ala Phe Met Gln Asp Leu Ala Gln Met Phe Glu Gly Pro Leu Ala
 180 185 190

Leu Thr Ser Ala Asn Leu Ser Ser Gln Ala Ser Ser Leu Asn Val Glu
 195 200 205

Glu Phe Gln Asp Leu Tyr Pro Gln Leu Ser Leu Val Ile Asp Gly Gly
 210 215 220

Gln Ile Gly Asp Gly Gln Ser Pro Glu Cys Arg Leu Gly Ser Thr Val
 225 230 235 240

Val Asp Leu Ser Val Pro Gly Lys Phe Gly Ile Ile Arg Pro Gly Cys
 245 250 255

Ala Leu Glu Ser Thr Thr Ala Ile Leu Gln Gln Lys Tyr Gly Leu Leu
 260 265 270

Pro Ser His Ala Ser Tyr Leu
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<210> 3
 <211> 1387
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(1387)
 <223> The letter "n" stands for a substitution base.

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 ggtccgcttg ctctcactag tgccaacctc agctcccagg ccagttctct gaatgtcgag 180
 gagttccagg atctctggcc tcagttgtcc ttggttattg atgggggaca aattggggat 240
 ggccagagcc ccgagtgtcg ccttggtctca actgtgggtg atttgtctgt gcccggaag 300

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tttggcatca ttcgtccagg gtgtgcctgg gaaagtacta cagccatcct ccaacagaag 360
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agacctggtg ctggatacta tgtgtctgtc cactgacgac tgtcaaggcc tcatttgcag 480
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attcataaaa taaattatag ttaattatac ccataacacc tttattttaa tccagtgttc 1260
tccgcagcct tttgtctatt tatatgtgta ccaagtgtta aacataatta ttattgggca 1320
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aaaaaaa 1387

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<210> 4
<211> 930
<212> DNA
<213> Mus musculus

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<400> 4
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ccggcgctgc cgggggcccc gctgctgcgg cttccggaga gcgagcccgt ggaagccgcg 180
agccccgagc gcgcccggctg gaccgaggcg ctgcgggccg ccgtggccga gctgcgcgcc 240

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gtgtgcctgg gccgcgtggc cgacgtctac aggtactgtc aggtgagagt acctagggag 420
ctcctggaag acctgttccc aggccctgtg accctgggtga tggagcgctc cgaggagctc 480
aacaaagacc tgaacccctt tactcgtctt gttggcatcc ggattcctga ccatgccttc 540
atgctggact tggcccagat gtttggggga ccacttgac tcactagtgc caacctcage 600
tcccaggcca gttctctgag tggtgaggag ttccaagacc tctggcctca tttgtccctt 660
gtcattgatg gggggccaat tggggatagt cagagccctg agtgtcgcct cggtctact 720
gtggttgact tatctgtgcc tggaaagttt ggcattattc gcccaggctg tgccttgaa 780
aacactacat cgatcctcca gcagaaatat gggctgctcc cttcacaggg gtcctgttca 840
tgaaacttgg gaggacccaa ggacatgctg gatactatgt gtctgctact ggatgcaaag 900
cctcattgcc tgaggttcct acatctatag 930

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<210> 5
<211> 280
<212> PRT
<213> Mus musculus

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<400> 5
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Met Ser Thr Ala Arg Pro Cys Ala Gly Leu Arg Ala Ala Val Ala Ala
1           5           10           15

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Gly Met Gly Leu Ser Asp Gly Pro Ala Ser Ser Gly Arg Gly Cys Arg
20           25           30

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Leu Leu Leu Pro Pro Glu Pro Ala Pro Ala Leu Pro Gly Ala Arg Leu
35           40           45

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Leu Arg Leu Pro Glu Ser Glu Pro Val Glu Ala Ala Ser Pro Glu Arg
50           55           60

```

```

Ala Gly Tyr Thr Glu Ala Leu Arg Ala Ala Val Ala Glu Leu Arg Ala
65           70           75           80

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Gly Ala Val Val Ala Val Pro Thr Asp Thr Leu Tyr Gly Leu Ala Cys
 85 90 95

Ser Ala Ser Ser Ser Ala Ala Leu Ser Cys Val Tyr Arg Leu Lys Gly
 100 105 110

Arg Ser Glu Ala Lys Pro Leu Ala Val Cys Leu Gly Arg Val Ala Asp
 115 120 125

Val Tyr Arg Tyr Cys Gln Val Arg Val Pro Arg Glu Leu Leu Glu Asp
 130 135 140

Leu Phe Pro Gly Pro Val Thr Leu Val Met Glu Arg Ser Glu Glu Leu
 145 150 155 160

Asn Lys Asp Leu Asn Pro Phe Thr Arg Leu Val Gly Ile Arg Ile Pro
 165 170 175

Asp His Ala Phe Met Leu Asp Leu Ala Gln Met Phe Gly Gly Pro Leu
 180 185 190

Ala Leu Thr Ser Ala Asn Leu Ser Ser Gln Ala Ser Ser Leu Ser Val
 195 200 205

Glu Glu Phe Gln Asp Leu Tyr Pro His Leu Ser Leu Val Ile Asp Gly
 210 215 220

Gly Pro Ile Gly Asp Ser Gln Ser Pro Glu Cys Arg Leu Gly Ser Thr
 225 230 235 240

Val Val Asp Leu Ser Val Pro Gly Lys Phe Gly Ile Ile Arg Pro Gly
 245 250 255

Cys Ala Leu Glu Asn Thr Thr Ser Ile Leu Gln Gln Lys Tyr Gly Leu
 260 265 270

Leu Pro Ser Gln Gly Ser Cys Ser
 275 280

<210> 6
 <211> 702
 <212> DNA
 <213> Bos taurus

<400> 6
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 ccgctgggcc gacgtctaca ggtactgcc a cgtgagagta cctgaggggc tcctgaagga 180
 cctgttgcca ggaccagtga ccctggtgat ggaacgctca gaggagctca acaaggacct 240
 gaatcctttc actcctcttg taggcacccg gattcctgac cacgccttca tgcaggactt 300
 ggtccagatg tttggggggc cactcgctct caccagtgcc aacctcagct ccaggtccag 360
 ctctctgaat gttgaggaat tccaggacct gtggcctcac ttgtccctga tcattggtgg 420
 gggaccaatt ggggacggcc agagcccaga gtgtcgacta ggctcaactg tggttgactt 480
 gtctgtgcct ggaaagtttg gcatcattcg tcctgggtgt gcccttgaaa gtacttcagc 540
 catcctccag gagtatgggc tgctcccctc acatggatcc tgctggtgac actctggagg 600
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 cctcatttgc agaggctgct agggctacag tgtagtagt ct 702

<210> 7
 <211> 126
 <212> PRT
 <213> Bos taurus

<400> 7

Met Glu Arg Ser Glu Glu Leu Asn Lys Asp Leu Asn Pro Phe Thr Pro
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Leu Val Gly Ile Arg Ile Pro Asp His Ala Phe Met Gln Asp Leu Val
 20 25 30

Gln Met Phe Gly Gly Pro Leu Ala Leu Thr Ser Ala Asn Leu Ser Ser
 35 40 45

Gln Ser Ser Ser Leu Asn Val Glu Glu Phe Gln Asp Leu Trp Pro His

50

55

60

Leu Ser Leu Ile Ile Gly Gly Gly Pro Ile Gly Asp Gly Gln Ser Pro
 65 70 75 80

Glu Cys Arg Leu Gly Ser Thr Val Val Asp Leu Ser Val Pro Gly Lys
 85 90 95

Phe Gly Ile Ile Arg Pro Gly Cys Ala Leu Glu Ser Thr Ser Ala Ile
 100 105 110

Leu Gln Glu Tyr Gly Leu Leu Pro Ser His Gly Ser Cys Trp
 115 120 125

<210> 8
 <211> 841
 <212> DNA
 <213> Rattus novartis

<220>
 <221> misc_feature
 <222> (491)..(491)
 <223> The letter "z" stands for sequence hybridizing.

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 aaatatgggc tgctcccttc acaggggtcc tgttcatgaa acttgggagg acccaagaac 180
 catgctggat actatgtgtc tactacaggt tggcaaagcc tcattggctg aggttcctgg 240
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 ccagaagctt cgggttgagc cttgcaccca ggggaaggtt atatttactc tgtagattca 360
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 gtctagaagt ctcaggacca atgcagcaaa gtctaggagc cctggccaga gctttctggg 600
 tacaggagag tgggtcattg gagaaaatta ttctaggagt tccaaatgaa ataattattga 660

aaaataaaat	cttgactggt	ttcagccagt	gactttctta	tttattggta	tagttctctg	720
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